

**Oregon Tualatin Valley
Amateur Radio Club**

The OSCILLATOR

OCTOBER 2009

Issue 2009:10
Our 31st Year

The Oregon Tualatin Valley Amateur Radio Club is a special service club related to ARRL: The National Association for Amateur Radio. We seek to advance the Amateur Radio Service through:

- ⇒ Education and Training of new and licensed amateurs
- ⇒ Public Service and Emergency communication
- ⇒ Hobby nets, contests and meetings
- ⇒ Social events

Membership is available to anyone. An amateur radio license is not required.

ELECTIONS COMMITTEE WORKING

The Elections Committee is working on a slate of nominees for our 2010 Board of Directors. The Committee receives member interest in running for the Board, contacts and recruits members for the ballot, and completes the official count of ballots on December 9th.

This year, we will elect someone to serve as President; Vice President; Secretary; and Treasurer in positions now held by Robert WN7O; Don AA2V; Jenny K7JLR; Alvin KB7VHI. We will elect three trustees this year in positions now held by JD K7JDF; Ron KD7VIK; and Phil K2ASP. All of these are eligible for election in their present role or another. Our Club seeks competitive elections.

Robert WN7O, has appointed Joel Simmons AD7IS, Trustee on the Board, to represent the Board of Directors. Everett W6ABM and Jenny K7JLR make up the other members required for the Committee. More members may be added to the Committee. To offer your service on the Elections Committee, contact Bob at krCrocker@comcast.net.

Members may respond in the affirmative when asked to serve on the Board OR may nominate themselves. To serve as an Officer, you must be a member in good standing and a licensed amateur radio operator. Details on what each position represents may be found at: http://www.otvarc.org/history/otvarc_by-laws.pdf. Nominations from the floor will be received at the November 11th Meeting. The Election is completed at the December 9th Holiday Meeting.

CLUB MEETING

Wednesday, October 14th

Our club meeting will be held at The Peppermill Restaurant in Beaverton on Wednesday, October 14th. Come at 6:00 PM for interaction with other club members and enjoy a meal off the menu.

Our Meeting and Program begin at 7:00 PM for all.

Family members and friends are welcome to come with you. Guests are always welcome and an amateur radio license is not required.

Check out our web site: www.otvarc.org.

PACIFIC CITY OCEAN FRONT WEATHER STATION

A new tool for weather watchers is in place to assist when the next major storm hits the Oregon coast. Thanks to the efforts of Jim Schaeffer KB7ADH and the Oregon Coast Repeater Group, the latest weather site is now operational in Pacific City. The site is 30 feet above sea level on the sand dunes with no obstructions for weather data. Thanks to ham radio operators who reached in their pocket for support and the field crew that did a first class installation. This brings the number of OCRG weather sites to twelve in Tillamook and Lincoln Counties. This new addition in Pacific City will be helpful when the winter storms coming marching in. Its interesting to compare the data on the beach to that inland in Pacific City. All of the sites are on battery back-up in the event of a power failure. The telemetry column will show "Power Fail" in the event of a commercial power outage. "All Systems Nominal" indicates no power problems.

You can view the new kid on the block listed as "Pacific City - Beach" at http://www.ocrg.org/telemetry_feed/ocrgwx.html

Thanks, Jim, for helping make this happen.

OTVARC VE TEAM

Update on the work of our VE Team:

June 6, 2009 at Sea-Pac

A total of 35 exam elements were administered to 32 applicants. Out of all this, we have 8 new Technician licensees, 5 upgrades to General Class and 6 upgrades to Extra Class. Examiners were Raul N7BAR, Claire N7CM, Ernie K7EAJ, Hal KK7E, Rich KD7GIE, Jim W7JMM, Another Jim W7JDE, and Andy KE7AUB.

July 4, 2009 Holiday Session

Great holiday turnout with 11 applicants, 8 Technician Class licenses and 3 General Class licenses were earned. Examiners were Everett, W6ABM, John KE7WNB, Andy KE7AUB, and Kathleen KE7EVV.

August 1, 2009

Six applicants yielded 4 new Technicians and 2 General Class upgrades. One of the Techs was a youngster who made his second try at the Tech exam after just missing it at Sea-Pac. Another was a long time ham who let his renewal grace period slip past and had to retest to get licensed again. Another was a Tech from Sea-Pac who took two more tests and upgraded to Extra Class. Examiners were Claire N7CM, Ernie K7EAJ, and Jim WD7H.

September 5, 2009 Holiday Session

A healthy and high-achieving crowd of 15 earned 7 Technician licenses, 7 General Class licenses, and one candidate who took all three exams and went zero-to-Extra Class in one session. Three of the Generals were initially unlicensed. Examiners were Claire N7CM, Ernie K7EAJ, Rich KD7GIE, Will N7THL, and Kathleen KE7EVV.

At one very special session on the evening of July 27, my young Rose sat for two exams and earned her General class license, call sign KF7EAC! She finally had time to read the Tech manual this summer vacation, and then I crammed the Gordon West General book with her in two hours flat. Enough of it stuck. Being her family member, I was not a participant in

2010 Census Warnings

The U.S. Census Bureau is beginning the enumeration of all residents of the United States. The Better Business Bureau (BBB) encourages us to be cooperative, but cautious. The Bureau does not want us to become a victim of fraud or identity theft.

Census workers have begun verifying the addresses of households across the country. Next, more than 140,000 workers will count every person and gather information about everyone living at each address. They will collect name, age, gender, race, and other data. How do you tell the difference between a Census worker and an imposter? BBB offers the following advice:

- Ask to see the Census workers' badge before answering their questions. Never invite anyone you don't know into your home.
- Do not give your Social Security number, credit card or banking information to anyone, even if they claim they need it for the U.S. Census.
- Census workers may contact you by telephone, mail, or in person at home. They will not contact you by Email. Never click on a link or open any attachments in an e-mail that are supposedly from the U.S. Census Bureau.

- Submitted by Kristin Webb Tomson K7KWT

conducting the exam or handling the paperwork afterward. To make it even more complicated, the standard ARRL materials are considered to be compromised for my family members because I store exams in the house. Claire and Ernie kindly agreed to manage the exam session and make up special exams, and Paul KC7PMU served as the third examiner.

Another special fact, please note the 100% success rate for the last three regular sessions!

Next sessions are on October 3rd, November 7th, and December 5th, all at 1:00 pm at the Ronler Acres Fire Station, across from Hillsboro Stadium.

73 to all, congrats to all the applicants, and my thanks to all the examiners who participated.

Carl WS7L

FOUR CUBESATS IN ORBIT

PSLV-C14 was launched on time and as planned at the Indian ISRO Satish Dhawan Space Centre on September 23rd. The successful launch deployed the CubeSats: UWE-2, BEESAT, ITUpSAT1 and SwissCube. Directly after the launch the orbit took the satellites directly over the western part of the United States. The CalPoly Team was able to confirm that the four satellites are transmitting beacon data.

CubeSats are created by University students and are pico satellites, the size of 10x10x10 cm³ and a maximum mass of 1 kg. The launch placed these amateur radio satellites into orbit.

UWE-2

University of Wuerzburg, Department of Computer Science launched UWE-2 to test a newly developed attitude determination system. Other experiments related to "IP in space" will be performed. These experiments follow on from the experiments of the previous satellite UWE-1. A AX25 and CW downlink on 437.385 MHz has been coordinated by the IARU.

BEESAT

BeeSat is a pico satellite project of the Technical University of Berlin. The main objective of BeeSat is the on orbit verification of newly developed micro reaction wheels for pico satellite applications. Although there are currently many developers of CUBESATs, many of them lack precise attitude control system. This is mandatory for more sophisticated applications, which require pointing capability. Having a precise attitude control system opens the gate to new potential and very cost effective applications, which include earth observation, space science, astronomy and on orbit verification of new technologies.

ITUpSAT1

The first university satellite of Turkey. The primary goal of ITÜpSAT1 is to raise experienced staff on satellite systems in Turkey, and to serve as a practical ground for the theoretically equipped graduate and undergraduate students of ITÜ Astronautics Department. ITÜpSAT1 carries a low resolution camera for taking pictures, and other sensors. The information that

sensors will provide, such as accelerometer and magnetometer, help us understand the attitude of passive stabilization system of the satellite.

SwissCube

SwissCube is the first satellite entirely built in Switzerland. SwissCube follows the Cubesat standard which was developed by Stanford and CalPoly and allows universities and research centres to build their own satellites. SwissCube can not compete with the capabilities of much larger satellites. It carries most of the sub-systems (eg structure, on-board computer, communication, attitude control, antennas) that exist on large satellites and allows students to build a complex engineering system.

More than 180 students participated in the adventure from EPFL, from the university of Neuchatel, from the HES-SO and from the FHNW. The main objective is educational and to show the students how to build a complex engineering system from A to Z like a satellite. It carries a small telescope which will allow to obtain images of the nightglow, a luminescence phenomena occurring at 100 km of height above the Earth surface. If the nightglow phenomena can be correctly mapped, then an opportunity arises to use the technology developed in the SwissCube programme to produce a new type of Earth sensors that equipped most of satellites flying today. Since the nightglow takes place in a very limited region in the high layer of the atmosphere and at well-know locations, it might be possible from the measurements to retrieve the direction towards the centre of the Earth and therefore enabling the design of a new generation of Earth sensor.

OTVARC ADDRESS:

880 NE 25th Ave Ste 2-160

Hillsboro OR 97124-6258

otvarc@gmail.com

THANK YOU TO ALL WHO HAVE RETURNED THE 2009 MEMBER SURVEY. We appreciate your participation. If you have not returned your 2009 Survey, please send it to the address above before October 14th. THANK YOU.

WORLDWIDE DISTRIBUTION

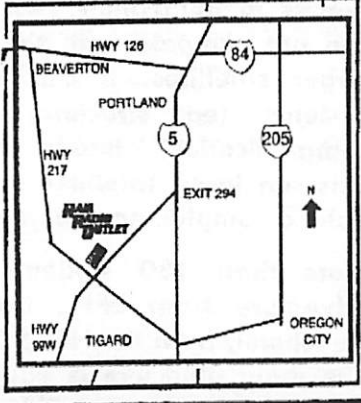
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"Coming again
October 10th, 2009
to Historic AURORA"

BIG Antiqu

RADIO SHOW & SALE

Presented by the
Northwest Vintage Radio Society

Saturday - October 10 9:00 am - 3:00 pm

American Legion Hall
21510 Main Street
Aurora

www.nwvrs.org

NATIONAL SAFETY COUNCIL

"We are not aware of evidence that using Amateur Radios while driving has significant crash risks...We also have no evidence that using two-way radios while driving poses significant crash risks. Until such time as compelling, peer-reviewed scientific research is presented that denotes significant risks associated with the use of Amateur Radios, two-way radios or other communication devices, the NSC does not support legislative bans or prohibition on their use...the specific risk of radio use while driving is unmeasured and likely does not approach that of cell phones, there indeed is some elevated risk to the drivers, their passengers and the public associated with 650,000 Amateur Radio operators who may not, at one time or another, not concentrate fully on their driving...best safety practice is to have one's full attention on their driving, their hands on the wheel and their eyes on the road. Drivers who engage in any activity that impairs any of these constitutes an increased risk."

President Janet Froetscher

These comments are in reply to President Joel Harrison's letter to the National Safety Council which came after the NSC push for cell phone legislation in every state resulted in major efforts to limit the use of all communication devices. In Oregon, such efforts were fought by ARRL Oregon Section representatives and by individual licensed amateur radio operators.

The Cell Phone bill will take affect January 1, 2010.

LUNCH BUNCH

Join us for LUNCH BUNCH
Saturday, October 24, 2009
12:00 NOON

SwapToberFest
Polk County Fairgrounds Lunch Room
Rickreall, Oregon

Talk-In: W7OTV - 146.960

Information?
Linda KC7YTD
503.246.8879

HAMFESTS & CONVENTIONS**3 October 2009**

13th Annual GHRC Hamfest
Bozeman, Montana
Sacajawea Middle School
Jack Myers N7ODN
Bob Leo W7LR
406.587.3511/406.586.8021
w7lr@aol.com
<http://www.w7ed.com>

9 - 12 OCTOBER 2009**Pacific NW VHF Conf**

<http://pnwvhfs.org>
Shilo Inn North Prom
Seaside Oregon
Scott Honaker, N7SS
14014 89th Avenue SE
Snohomish, WA 98296
425-330-5439
Fax: 360-668-6073
n7ss@arri.net

24 October 2009**Swap-Tober - Fest**

Polk County Fairgrounds
520 S Pacific Highway West
Rickreall, Oregon
Hwy 99W
www.swaptoberfest.net/preregistration.html
Information:
www.swaptoberfest.net

Happy October Birthday

1	Paula Merritt	
1	Barbara Riley	K6UZW
1	Robert Young	KB7MFD
5	Ian McCallum	NM7K
12	Curry Taylor	N2TQ
13	J Steven Sanders	KE7JSS
15	Richard Banton	KD7THV
16	Bud Carswell	KB7NUO
17	Bud Butterfield	KG7F
21	Joe Batty	WB7SRQ
22	Sam Senior	N7KJN
22	Edward Pratasiewicz	KE7GXL
22	Richard Welk	KB7EW
24	Mary B. Buford	KE7VUC
25	Jerry E. Miller	NB7P
28	Carl Clawson	WS7L
28	James Perkins	KN1X
29	Dena Kent	K1DNA

Have we missed your
birthday?

Likely we do not have
your correct date in
our database.

Send updates and
corrections to
otvarc@gmail.com

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more than 200
members read *THE*
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or "Display" - HRO
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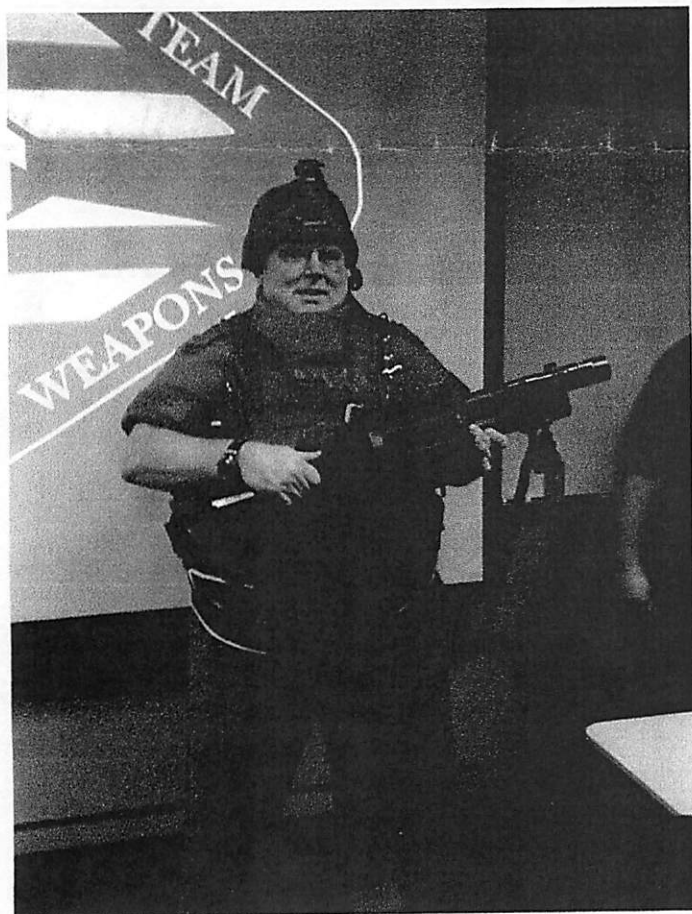
12655 SW North Dakota Street
Tigard, Oregon 97223

Preparations Underway for WRC-12

Approximately 200 participants came together in an ITU preliminary meeting that ended September 16th in Geneva in preparation for the 2012 World Radiocommunication Conference (WRC-12). This meeting was part of a series of ongoing international and regional meetings to address the far-reaching and complex agenda of WRC-12. ARRL Technical Relations Specialist Jonathan Siverling WB3ERA, and IARU Region 1 Vice President Tafa Diop 6W1KI, were participants.

WRC-12, in Geneva January 23 - February 17, 2012, will review the ITU Radio Regulations. The conference will be preceded by the Radiocommunication Assembly (RA-12), held in Geneva, January 16-20, 2012.

STEPPING UP FROM THAT HAM VEST



Pat Roberson N7PAT, seen here training for the Washington County Citizens Corps.

TRAVELERS OCTOBER POTLUCK

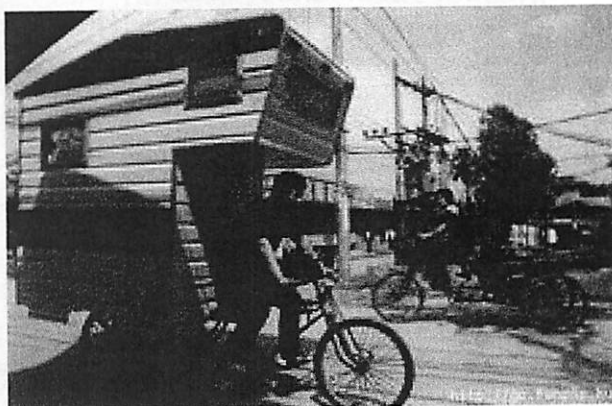
The October campout for The Travelers will be a potluck dinner at Darwin Durr's home (K7PSD) on Saturday, October 17th in the afternoon with dinner at 5:30 pm. Darwin and Verna Mae live at 8142 Pudding Creek Drive SE, Salem 97317. Reach them at 503.587.8633 (home) or on their Cell: 503.784.0272. You bring Hors D'oeuvres; relish plate or salad.

To get to the Durrs' from Portland: Take Exit 253 off I-5, travel east at stop light (Highway 22)...take Exit 5, Joseph St. Exit, and turn left at stop sign. Turn left at next stop sign, making right turn on Jordan SE, and make a left turn on 75th — Proceed to Pudding Creek Dr. They are the last house on right.

Use this map online: <http://tinyurl.com/kvlyv3l>



Travelers' Campout at Skamokawa, on the Columbia River, July 2009



RV'ers Know How To Deal With Fuel Prices

Announcing: 2009 CQ WW DX Contest

Phone: October 24-25 CW: November 28-29
0000 GMT Saturday 2400 GMT Sunday

CQ Amateur Radio Magazine sponsors the yearly CQ WW DX Contest, the biggest and best of the yearly Radio-Sports Contests. Worldwide participation by more stations and countries than any other contest means plenty of activity for "QRP" (low power), "Bare-foot" (100-watts and a wire) and "Big-Gun" (high powered) stations. If you have an HF transceiver, get ready now. No station yet? Find someone who does and get on the air!

During last years SSB contest a small group of members operating under contest call-sign W7TVC (Tualatin Valley Contesters) made over 350 contacts, including some harder to find, more exotic DX locations, including: China, Hong-Kong, East Malaysia, South Korea, Philippines, Morocco, South Africa, Swaziland and Senegal.

Get on the air any way you can for an hour or a day and have some fun with this one. It's this year's biggest and best opportunity to experience the true magic of Amateur Radio.

OBJECTIVE: For Amateurs around the world to contact other Amateurs in as many zones and countries as possible during a 48-hour period.

BANDS: All bands, 1.8 through 28 MHz, except for WARC bands (12, 17, 30).

TYPE OF COMPETITION: (Choose one)

Single Operator: Several different categories, but only one person can contribute to the final score.

Multi-operator: (All band operation only) including single transmitter (MS), two transmitter (M2), and unlimited multi transmitter (MM).

Team Contesting: A team consisting of any five radio amateurs operating in the single operator category. A team score will be the sum of all the team member scores.

Individual scores can also be submitted to the contest administrators.

NUMBER EXCHANGE:

Phone: Phone, RS report (typically "59") plus your zone (i.e. 5903)

CW: CW, RST report plus zone (i.e. 57903)

MULTIPLIERS:

1. A multiplier of one (1) for each different zone contacted on each band.
2. A multiplier of one (1) for each different country contacted on each band.
3. Stations are permitted to contact their own country and zone for multipliers.

POINTS:

1. Contacts between stations on different continents are worth three (3) points.
2. Contacts on the same continent, but different countries, one (1) point.
3. For North American stations only, contacts between stations in the North American boundaries count for two (2) points.
4. Contacts in the same country are permitted for zone or country multiplier credit, but have zero (0) point value.

SCORING:

All stations: Final score is the result of the total QSO points multiplied by the sum of your zone and country multipliers.

More information and complete contest rules can be found at: www.cq-amateur-radio.com

Ron O'Connor - KD7VIK

BREAKING NEWS: ARRL ISSUES GUIDELINES FOR THE USE OF AMATEUR RADIO
 On Friday, September 25, the ARRL Board of Directors adopted guidelines on the appropriate use of Amateur Radio on behalf of commercial, non-profit and government entities, as well as recommendations for additional steps to be taken by the ARRL to educate radio amateurs and others on how to prepare and train for public service and emergency communications while complying with the current FCC Rules. Entitled The Commercialization of Amateur Radio: The Rules, The Risks, The Issues, the full nine-page document may be found at: http://www.arrl.org/news/ARRL_AppropriateUseGuidelines.pdf

**NORTHWESTERN DIVISION ARRL CONVENTION
 SEASIDE CONVENTION CENTER
 Seaside Oregon
 June 4 - 6, 2010**

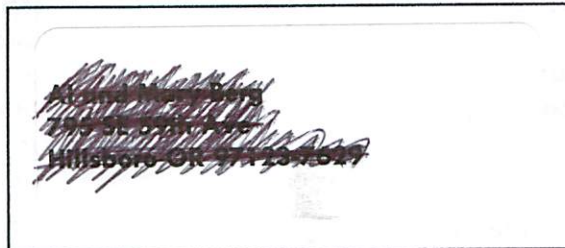


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 880 NE 25th Ave. Ste 2-160
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 440.250 MHz (Goat Mtn)
 440.350 MHz (127.3 KGON Tower)
 Editor: Everett W6ABM w6abm@arrl.net**



**CLUB MEETING
 OCTOBER 14TH**

9712387629 0093